

Name and description of initiative:
NHLBI Exploratory Programs in Systems Biology

This program support collaborative, multi-disciplinary teams that combine both quantitative and experimental expertise, with the goal of applying systems biology approaches to research on the physiology underlying heart, lung, blood, or sleep diseases and disorders. These complex diseases are well-suited to this type of approach. This program uses clusters of 3-year, R33 (Exploratory and Developmental) Awards to recognize the essential contributions of different disciplines within the team to the accomplishment of the overall goal of building and validating quantitative models.

This program has three receipt dates for applications: March 10 2006, September 25 2006, and September 25 2007, and NHLBI has the intention of funding three clusters at each of the receipt dates.

Program Contacts:

Jennie Larkin

301-435-0513

Larkinj2@nhlbi.nih.gov

Pankaj Qasba

301-435-0050

Qasbap@nhlbi.nih.gov

Website: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-07-005.html>

Data Sharing:

All applicants must include a data sharing plan in their application, which is assessed during review. This data sharing plan may include details describing the expected schedule for data sharing, the format of the final dataset, the documentation to be provided, whether or not any analytic tools also will be provided, whether or not a data-sharing agreement will be required, and the mode of data sharing.

Research Resources Sharing:

A plan for disseminating computational models, algorithms, and simulations must be included in the application, with appropriate timelines. A plan for managing intellectual property issues while ensuring rapid public dissemination of research data, models, algorithms, and resources must be included.

Software Sharing:

A software dissemination plan, with appropriate timelines, must be included in the application. There is no prescribed single license for software produced in this project. The initial review group will comment on the appropriateness of the proposed plan for data and materials dissemination. Program staff and advisors will also consider the adequacy of the dissemination plan as one of the criteria for award.

Integrative Efforts:

This program does not mandate adoption of any specific data standards, terminologies, software, or workflows. Investigators are required to attend annual grantee meetings,

and these may be coordinated with other complementary programs, such as IMAG's Multi-Scale Modeling program grantee meetings.

Collaboration/Synergy with NCBCs:

There is extensive potential synergy with the NCBCs and with other Roadmap Programs, both in scientific areas addressed and in the development of informatic and computational tools directed at solving specific scientific questions. Identification of specific collaborative opportunities between NCBCs and EPSBs will be possible, once awards have been made (first due to be awarded in September 2006).